

SEACON

SEACON ADVANCED PRODUCTS, LLC PRODUCT DATASHEET

OPTICAL SYSTEMS



DESCRIPTION

As organizations in the subsea industry develop more applications with fiber optic technology in mind, there has been a dramatic increase in the quantity and complexity of electro-optic connector configurations needed to fit these applications. In order to meet the changing requirements of customers, the SEACON Group has developed a comprehensive and extensive range of fiber optic products, which are designed and manufactured to meet the specific and varied environmental conditions imposed on connectors today.

With over 16 years experience in underwater optical connectivity, SEACON can offer optical dry-mate, wet-mate, underwater mateable connectors, optical penetrators and optical fiber management systems.

QUALITY

- SEACON Advanced Products, LLC operate a Quality Management System certified to ISO 9001:2008, ISO 14001:2004 and OHSAS 18001:2007.



SEACON

SEACON ADVANCED PRODUCTS, LLC PRODUCT DATASHEET

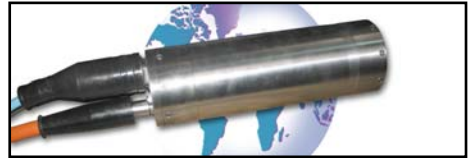
JUMPER ASSEMBLIES

Underwater Jumper assemblies can be supplied in a multitude of configurations using Cable, or Pressure Balanced Oil Filled (PBOF) Hose optical splice boxes and fiber management systems.
Refer to datasheet SAPL-DS-0402



SUBSEA UMBILICAL TERMINATION ASSEMBLY (SUTA)

The Subsea Umbilical Termination Assembly (SUTA) is used to terminate underwater umbilicals whilst managing optical fiber. It is suitable for a variety of cables or PBOF Hoses.
Refer to datasheet SAPL-DS-0311



WET-MATE OPTICAL CONNECTORS

HYDRALIGHT

The **HYDRALIGHT** is a field proven, second generation underwater mateable, high integrity, fiber optic connector. It is capable of carrying up to 8 optical circuits and facilitates underwater connection of optical fibers. This can be expanded for 48 optical fibers.
Refer to datasheet SAPL-DS-0001



G3

The **G3** offers low profile optical connectivity combined with simplicity of operation and is ideally suited for tight interfaces requiring high optical performance.
Refer to datasheet SAPL-DS-0030



MICROSTAR

The **MICROSTAR** is a slimline (<1.8" diameter) underwater mateable, high integrity, fiber optic connector.
Refer to datasheet SAPL-DS-0040



DRY-MATE OPTICAL CONNECTORS

MINI-CON

This miniature connector series incorporates all of the engineering concepts and design features of our highly successful **MINI-CON** range, but in a smaller configuration ranging in size from 1/2" to just over 2" in diameter.



SEACON

SEACON ADVANCED PRODUCTS, LLC PRODUCT DATASHEET

MILITARY HYBRID

SEACON manufactures a comprehensive range of military (MIL-C-24231 and MIL-C-24217) hybrid fiber optic connectors for use in harsh environments.



OPTI-CON

OPTI-CON offers interchangeable electric or optic contacts and is available in 5 shell sizes from 1 to 20 contact configurations, oil filled or over-molded to any type of cable (subject to test sample).



MSS (METAL SHELL SERIES)

The MSS series is used extensively throughout various industries for a variety of applications including: high power motors, submersible pumps, SEM control units, cameras and lamps.



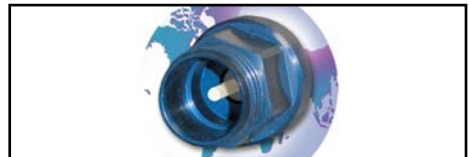
XG

Our standard Glass Reinforced Epoxy (XG) Series of connectors consist of gold plated contacts molded in glass reinforced epoxy.



CS-MS

In addition to ROV systems, the CS-MS series is suitable for a variety of applications including underwater cameras and lights, diver communications, recreational submersibles, towed-array cable systems, current meters, animal migration and research and food processing equipment.



OPTICAL PENETRATORS

To provide secure and hermetic seal of fiber between low pressure and high pressure applications, SEACON offer a large range of field proven products for all applications.

Refer to datasheet SAPL-DS-0100



All reasonable efforts have been taken to ensure that the information contained herein is accurate at the date of publication, but no representation or warranty as to the accuracy or completeness of such information is intended or to be implied by its inclusion herein. Any and all representations and warranties pertaining to the information and products referred to herein shall be set forth in SEACON standard sales order form. In addition, SEACON reserves the right to make changes to the contents hereof without notice, therefore it is suggested that at the time of inquiry, the appropriate sales office or factory be contacted directly for verification of published specifications and products availability.

© 2014 SEACON Advanced Products, LLC.
ALL RIGHTS RESERVED